

Application No. 10/789,490
Amendment Filed with RCE

Customer No. 01933

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R E M A R K S

Reconsideration of this application, as amended, is respectfully requested.

THE CLAIMS

Claim 8 has been amended to recite that the charge control circuit includes a constant-current control circuit, a constant-voltage control circuit, and a primary overvoltage detecting circuit, and to recite the respective functions thereof. See the disclosure in the specification at, for example, page 11, line 11 to page 12, line 12.

No new matter has been added, and it is respectfully requested that the amendments to claim 8 be approved and entered.

It is respectfully submitted, moreover, that Peterzell (USP 6,194,869) clearly does not disclose, teach or suggest the features of the present invention as recited in amended independent claim 8.

In particular, in the Advisory Action the Examiner argues that Peterzell discloses a charge control circuit and an overcharge control circuit that both function by controlling a same switch, because the switch 30 of Peterzell is opened to prevent further charging and is closed to enable charging (charge control, according to the Examiner).

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It is respectfully submitted, however, that Peterzell clearly does not disclose a charge control circuit having the structure of the present invention as recited in amended independent claim 8, which controls the same switch (the charge control switch) as the overcharge control circuit, and which includes: (i) a constant-current control circuit which controls the charge control switch so as to keep a potential difference across a current-detecting resistor at a predetermined value in order to charge the battery pack at a constant current; (ii) a constant-voltage control circuit which detects a battery voltage of the secondary battery and controls the charge control switch so that the battery voltage does not exceed a predetermined voltage in order to charge the battery pack; and (iii) a primary overvoltage detection circuit which detects a primary (i.e. adapter) voltage, and which turns off the charge control switch and stops charging when the primary voltage is an overvoltage.

Mino, moreover, has merely been cited for the disclosure of heat detection elements.

Accordingly, it is respectfully submitted that the present invention as recited in amended independent claim 8, and claims 2 and 4-7 depending therefrom, clearly patentably distinguishes over Peterzell and Mino, taken singly or in combination, under 35 USC 102 as well as under 35 USC 103.

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Entry of this Amendment, allowance of the claims and the passing of this application to issue are respectfully solicited.

If the Examiner has any comments, questions, objections or recommendations, the Examiner is invited to telephone the undersigned at the telephone number given below for prompt action.

Respectfully submitted,

/Douglas Holtz/

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